

Claims:

1. A multilayer cover for a pool containing water comprising
 - (a) an uppermost layer comprising a solar heat reflective material; and
 - (b) a lower layer comprising a first thermoplastic film
 - (i) having a plurality of portions wherein each of said portions defines a cavity; and
 - (ii) is in sealing engagement with said uppermost layer to provide a plurality of closed said cavities; wherein said uppermost layer provides an effective reflective barrier to the ingress of solar radiation through the cover to the water in the pool.
2. A cover as defined in claim 1 wherein said solar heat reflective material is selected from the group consisting of a thin foil of metal and a metallized thermoplastic film.
3. A cover as defined in claim 2 wherein said metal is aluminum.
4. A cover as defined in claim 1 wherein said lower layer is formed of a thermoplastic material selected from the group consisting of low density polyethylene, linear low density polyethylene, polypropylene, a nylon and PVC.
5. A cover as defined in claim 1 wherein said solar heat reflective material has a protective top layer of a second thermoplastic material.
6. A cover as defined in claim 5 wherein said top layer of said second thermoplastic material constitutes a coating having a thickness of less than about 0.5 mm.
7. A swimming pool cover comprising in whole or in part a multilayer cover as defined in claim 1.

8. A covered pool assembly comprising in combination a pool containing water and a multilayer cover for said pool disposed above said water, said cover comprising a multilayer cover for a pool containing water comprising

(a) an uppermost layer comprising a solar heat reflective material; and

5 (b) a lower layer comprising a first thermoplastic film

(i) having a plurality of portions wherein each of said portions defines a cavity; and

(ii) is in sealing engagement with said uppermost layer to provide a plurality of closed said cavities wherein said uppermost layer provides an effective reflective barrier to the ingress of solar radiation through the cover to the water in the pool.

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9. An assembly as defined in claim 8 wherein said solar heat reflective material is selected from the group consisting of a thin foil of metal and a metallized thermoplastic film through the cover to the water in the pool.

15 10. An assembly as defined in claim 9 wherein said metal is aluminum.

11. An assembly as defined in claim 8 wherein said lower layer is formed of a thermoplastic material selected from the group consisting of low density polyethylene, linear low density polyethylene, polypropylene, a nylon and PVC.

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12. An assembly as defined in claim 8 wherein said solar heat reflective material has a protective top layer of a second thermoplastic material.

13. An assembly as defined in claim 12 wherein said top layer of said second
25 thermoplastic material constitutes a coating having a thickness of less than about 0.5 mm.

14. An assembly as defined in claim 8 wherein said combination comprises in whole or in part said cover as defined in claim 8.

15. A method of preventing or reducing the rate of increase in water temperature in a pool containing water by solar-radiation, said method comprising covering said pool, in whole or in part, with a multilayer cover for a pool containing water comprising

(a) an uppermost layer comprising a solar heat reflective material; and

5 (b) a lower layer comprising a first thermoplastic film

(i) having a plurality of portions wherein each of said portions defines a cavity; and

(ii) is in sealing engagement with said uppermost layer to provide a plurality of closed said cavities; wherein said uppermost layer provides an effective reflective barrier to the ingress of solar radiation through the cover to the water in the pool.

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